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Atty Dkt 9000-0030.10 **PATENT**

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Washington, D.C. 20231 on to brecome

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

JIANG et al.

Serial No.: 09/234,733

Filing Date: January 21, 1999

Title:

Group Art Unit: 1643

Examiner: Unassigned

CAMP FACTOR OF STREPTOCOCCUS UBERIS

REQUEST FOR A CORRECTED FILING RECEIPT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Please furnish the undersigned with a corrected filing receipt for the aboveidentified application. The corrections needed are as follows:

Under Title please replace "OD" with -OF-.

Attached is copy of the Filing Receipt with the correction highlighted. Also included is page 1 of Request for Filing and first page of the Application showing the correct spelling.

It is believed that no fee is due. If for any reason a fee is found to be necessary, our Deposit Account No. 18-1648 may be charged therefor.

Respectfully submitted,

estgistration No

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Bozicevic, Field & Francis

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UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

ROBINS & ASSOCIATES

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/234,733	01/21/99	1643	\$380.00	9000-0030.10	14	12	1

ROBERTA L ROBINS
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Robins 4 Care

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLI OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

Applicant(s)

MIN JIANG, SASKATCHEWAN, CANADA; ANDREW A. POTTER, SASKATCHEWAN, CANADA; PHILIP RONALD MACLACHLAN, SASKATCHEWAN, CANADA.

CONTINUING DATA AS CLAIMED BY APPLICANTTHIS APPLN IS A DIV OF 08/658,277 06/05/96 PAT 5,863,543
PROVISIONAL APPLICATION NO. 60/000,083 06/08/95

* SMALL ENTITY *

TITLE OF CAMP FACTOR OF STREPTOCOCCUS UBERIS

PRELIMINARY CLASS: 424

DOCKETED

REQUEST FOR FILING CONTINUATION/DIVISIONAL APPLICATION

Assistant	Commissioner for Patents ton, D.C. 20231 EL273158305U	Z		
	"Express Mail" Mailing Label No. EL 273 158 305 U Date I hereby certify that this paper or fee is being deposited with the U "Express Mail Post Office to Addressee" service under 37 C.F.R. and is addressed to the Assistant Commissioner for Patents, Wash (Typed or Printed Name of Person Mailing Paper or Fee) (Signature of Feed)	Jnited (States Postal S on the date ind	Service licated above
Sir:				
J	This is a request for filing a continuation _X_ divisions	al app	olication und	der 37 C.F.R.
1.53(b)(1), of pending prior application serial no. 08/658,277 filed	i on J	une 5, 1996	, which claims
priority	to U.S. provisional patent application serial no. 60/000,08	3 file	d on June 8	, 1995, of Min
Jiang, A	ndrew A. Potter and Philip R. MacLachlan for CAMP FA	CTO	R OF STRE	EPTOCOCCUS
UBERIS	T.			
1. <u>X</u>	Enclosed is an application filed under 37 C.F.R. 1.53(b)((1). N	No new mat	ter has been added.
2. <u>X</u>	One verified statement(s) of small entity status			
	enclosed. X filed in prior application serial no. 08/658. enclosed).	,277 1	filed on Jun	e 5, 1996 (copy
3. <u>X</u>	The filing fee is calculated below:			
	A. Basic Application Fee			\$760.00
	B. Total Claims $12 - 20 = 0$	X	\$18.00	0
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9000-0030 PATENT

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(Signature of Person Mailing Paper or Fee)

CAMP FACTOR OF STREPTOCOCCUS UBERIS

Cross-Reference to Related Application This application is related to provisional patent application scrial no. 60/000,083, filed June 8, 1995, from which priority is claimed under 35 USC §119(e)(1) and which is incorporated herein by reference 10 in its entirety.

Technical Field

The present invention relates generally to bacterial antigens. More particularly, the present invention pertains to the recombinant production of CAMP factor from Streptococcus uberis (S. uberis) and the use of CAMP factors in vaccine compositions.

Background

S. uberis is an important cause of mastitis in dairy cattle and is responsible for about 20% of all clinical cases of mastitis (Bramley, A.J. and Dodd, F.H. (1984) J. Dairy Res. <u>51</u>:481-512; Bramley, A.J. (1987) Animal Health Nutrition 42:12-16; Watts, J.L. (1988) \Im . Dairy Sci. 71:1616-1624). Since antimicrobial treatment is generally ineffective in treating S. uberis mastitis, the development of control measures must be based on an and protective

mammary grand tearning to ... 32; Leigh et al. (1990) Res. Vet. Sci. 49: 85-67; Marshall et al. (1986) J. Dairy Res. <u>53</u>: 507-514).